

GENERATOR ROTOR FRETTING FATIGUE CRACK REPAIR

ABSTRACT OF THE DISCLOSURE

A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion having received at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising a) machining a groove at least partly along the inwardly tapered surface to remove damaged material from the coil slot wall; and b) replacing the at least two axially adjacent steel wedges.